SEQUENCE LISTING

<110> BIO-RAD PASTEUR
CNRS
University of Monpellier

<120> Specific antibodies for diagnosing heart failure

<130> BET 03P0750

<150> FR 0210063

<151> 2002-08-07

<160> 124

<170> PatentIn version 3.1

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<213> Homo sapiens : proBNP(1-108)

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Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln
            20                  25                  30

Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
        35                  40                  45

Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His
    50                  55                  60
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Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met
65 70 75 80

Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp Arg Ile Ser Ser
85 90 95

Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
100 105

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<213> Homo sapiens : proBNP(77-108)

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Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp
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<213> Homo sapiens : proBNP(1-76)

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20 25 30

Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
35 40 45

Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His
50 55 60

Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg

65 70 75

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<213> Artificial sequence : proBNP(70-85)

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Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly
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<213> Artificial sequence : proBNP(73-78)

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<223> ACETYLATION

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Cys Gly Arg Ala Pro Arg Ser Pro Lys
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Cys Gly Arg Ala Pro Arg Ser Pro Lys Met Val
1 5 10

<210> 11

<211> 15

<212> PRT

<213> Artificial sequence : peptide

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Cys Gly Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly
1 5 10 15

<210> 12

<211> 8

<212> PRT

<213> Artificial sequence : peptide

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Arg Ala Pro Arg Ser Pro Gly Cys
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Arg Ala Pro Arg Ser Pro Gly Cys
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<400> 14

Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys
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<211> 17

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Cys His Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro
1 5 10 15

Lys

<210> 16

<211> 17

<212> PRT

<213> Artificial sequence : peptide

<400> 16

Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
1 5 10 15

Gly

<210> 17

<211> 17

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<213> Artificial sequence : peptide

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Cys Phe Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
1 5 10 15

Gly

<210> 18

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<213> Artificial sequence : peptide

<400> 18

Cys Phe Ser Ile Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
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<210> 19

<211> 17

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<222> (17)..(17)

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Ala

<210> 21

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<222> (17)..(17)

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Ala

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1 5 10 15

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Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly Leu Gln Glu Gln Arg
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Ser Asp Leu Glu Thr Ser Gly Leu Gln Glu Gln Arg Asn His Leu
1 5 10 15

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Glu Thr Ser Gly Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys
1 5 10 15

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Gly Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu
1 5 10 15

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<211> 15

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Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln Val
1 5 10 15

<210> 30

<211> 15

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Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln Val Glu Gln Thr
1 5 10 15

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Gln Gly Lys Leu Ser Glu Leu Gln Val Glu Gln Thr Ser Leu Glu
1 5 10 15

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Leu Gln Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro
1 5 10 15

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Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
1 5 10 15

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Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr Gly Val Trp
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Pro Leu Gln Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg
1 5 10 15

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<211> 15

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<400> 37

Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg Glu Val Ala
1 5 10 15

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Arg Pro Thr Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly
1 5 10 15

<210> 39

<211> 15

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Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly
1 5 10 15

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Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His Arg Lys
1 5 10 15

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Glu Val Ala Thr Glu Gly Ile Arg Gly His Arg Lys Met Val Leu
1 5 10 15

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Thr Glu Gly Ile Arg Gly His Arg Lys Met Val Leu Tyr Thr Leu
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<210> 43

<211> 15

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Ile Arg Gly His Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro
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<210> 44

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His Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro
1 5 10 15

<210> 45

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Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val
1 5 10 15

<210> 46

<211> 15

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Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
1 5 10 15

<210> 47

<211> 15

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Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe
1 5 10 15

<210> 48

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Arg Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys
1 5 10 15

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Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp Arg
1 5 10 15

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Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp Arg Ile Ser Ser

1 5 10 15

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Gly Cys Phe Gly Arg Lys Met Asp Arg Ile Ser Ser Ser Ser Gly
1 5 10 15

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Gly Arg Lys Met Asp Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys
1 5 10 15

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Met Asp Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu
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1 5 10 15

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Tyr Thr Leu Arg Ala Pro Arg Ala Pro Lys Met Val Gln Gly Ser
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Tyr Thr Leu Arg Ala Pro Arg Ser Ala Lys Met Val Gln Gly Ser
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Tyr Thr Leu Arg Ala Pro Arg Ser Pro Ala Met Val Gln Gly Ser
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Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Ala Val Gln Gly Ser
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Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Ala Gln Gly Ser
1 5 10 15

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Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Ala Gly Ser
1 5 10 15

<210> 68

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Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Ala Ser
1 5 10 15

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<211> 15

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<400> 69

Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ala
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<210> 70

<211> 15

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Pro Leu Gly Ser Pro Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly
1 5 10 15

<210> 71

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Leu Gly Ser Pro Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly Leu
1 5 10 15

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Ser Pro Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly Leu Gln Glu
1 5 10 15

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Pro Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly Leu Gln Glu Gln
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Ala Ser Asp Leu Glu Thr Ser Gly Leu Gln Glu Gln Arg Asn His
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Ser Asp Leu Glu Thr Ser Gly Leu Gln Glu Gln Arg Asn His Leu
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His Leu Gln Gly Lys Leu Ser Glu Leu Gln Val Glu Gln Thr Ser
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<210> 84

<211> 15

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Leu Gln Gly Lys Leu Ser Glu Leu Gln Val Glu Gln Thr Ser Leu
1 5 10 15

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Gln Gly Lys Leu Ser Glu Leu Gln Val Glu Gln Thr Ser Leu Glu
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<210> 86

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Gly Lys Leu Ser Glu Leu Gln Val Glu Gln Thr Ser Leu Glu Pro
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<212> PRT

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Lys Leu Ser Glu Leu Gln Val Glu Gln Thr Ser Leu Glu Pro Leu
1 5 10 15

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Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser
1 5 10 15

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Pro Leu Gln Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg
1 5 10 15

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Leu Gln Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg Glu
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Glu Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg Glu Val
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Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg Glu Val Ala
1 5 10 15

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Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg Glu Val Ala Thr
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Pro Arg Pro Thr Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu
1 5 10 15

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Pro Thr Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile
1 5 10 15

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Thr Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg
1 5 10 15

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Ile Arg Gly His Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro
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Arg Gly His Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg
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Gly His Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser
1 5 10 15

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Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys
1 5 10 15

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Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met
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Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln
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<213> Artificial sequence : peptide

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Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
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Lys Lys Lys
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Ser Pro Lys Met Val Gln Gly Ser Gly Cys
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Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg
1 5 10

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His Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg
1 5 10

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<213> Artificial sequence : peptide

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Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
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Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
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Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys
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Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val
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Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln
1 5 10

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Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly
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Cys Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
1 5 10 15

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Cys Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly
1 5 10 15

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Cys Leu Arg Ala Pro Arg Ser Pro Lys Met Val
1 5 10

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<212> PRT

<213> Artificial sequence : peptide

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Cys Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln
1 5 10

<210> 120

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<213> Artificial sequence : peptide

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Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Cys
1 5 10

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<211> 14

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Cys Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
1 5 10

<210> 122

<211> 15

<212> PRT

<213> Artificial sequence : peptide

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Cys Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly
1 5 10 15

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<211> 11

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<213> Artificial sequence : peptide

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1 5 10

<210> 124

<211> 12

<212> PRT

<213> Artificial sequence : peptide

<400> 124

Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr Gly
1 5 10